



SEQUENCE LISTING

<110> BALU, PALANI

<120> NOVEL PEPTIDE DIMERS AS AGONISTS OF THE ERYTHROPOIETIN
(EPO) RECEPTOR, AND ASSOCIATED METHODS OF SYNTHESIS AND USE

<130> 0300-0005

<140> 09/449,064

<141> 1999-11-24

<160> 93

<170> PatentIn Ver. 2.1

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Gln

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Tyr Lys Gly Gly
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Pro Gln

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Gln	Gly	Gly
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Pro	Met	Gly	Gly
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Ala	Thr	Gly	Gly
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Gly Phe Arg Gly
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Arg	Met	Gly	Gly
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Pro Val Gly Gly
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Pro Asp Gly Gly
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Pro Lys Gly Gly
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Pro Pro Gly Gly
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Arg Tyr Gly Gly
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<220>
 <223> Description of Artificial Sequence: Synthetic
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<220>
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 <222> (13)
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<400> 54

Gly Gly Ser Tyr Ser Cys Arg Met Gly Pro Ile Thr Xaa Val Cys Lys
1 5 10 15

Pro Gly Gly Gly
20

<210> 55

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 55

Gly Gly Ser Tyr Thr Cys Arg Met Gly Pro Ile Thr Xaa Val Cys Leu
1 5 10 15

Pro Ala Gly Gly
20

<210> 56

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 56

Gly Gly Leu Tyr Glu Cys Arg Met Gly Pro Met Thr Xaa Val Cys Arg
1 5 10 15

Pro Gly Gly Gly
20

<210> 57

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 57

Gly Gly Asp Tyr Thr Cys Arg Met Gly Pro Ile Thr Xaa Ile Cys Thr
 1 5 10 15

Lys Ala Gly Gly
 20

<210> 58

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 58

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 1 5 10 15

Arg Tyr Val Gly
 20

<210> 59

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 59

Gly Gly Ala Tyr Leu Cys His Met Gly Pro Ile Thr Xaa Val Cys Arg
 1 5 10 15

Pro Gln Gly Gly
 20

<210> 60
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<220>
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<220>
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<400> 60
 Gly Gly Glu Tyr Ser Cys Arg Met Gly Pro Asn Thr Xaa Val Cys Lys
 1 5 10 15

Pro Val Gly Gly
 20

<210> 61
 <211> 20
 <212> PRT
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<220>
 <223> Description of Artificial Sequence: Synthetic
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<220>
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 <223> 1-Nal

<400> 61
 Gly Gly Leu Tyr Leu Cys Arg Met Gly Pro Val Thr Xaa Glu Cys Gln
 1 5 10 15

Pro Arg Gly Gly
 20

<210> 62
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
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<220>
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<223> 1-Nal

<400> 62

Gly Gly Leu Tyr Thr Cys Arg Met Gly Pro Ile Thr Xaa Val Cys Leu
 1 5 10 15

Leu Pro Gly Gly
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<210> 63

<211> 20

<212> PRT

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<222> (13)

<223> 1-Nal

<400> 63

Gly Gly Leu Tyr Thr Cys Arg Met Gly Pro Val Thr Xaa Val Cys Thr
 1 5 10 15

Gly Ala Gly Gly
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<210> 64

<211> 20

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
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<220>

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<222> (13)

<223> 1-Nal

<400> 64

Gly Gly Val Tyr Lys Cys Arg Met Gly Pro Leu Thr Xaa Glu Cys Arg
 1 5 10 15

Pro Thr Gly Gly
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<210> 65

<211> 20

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 65

Gly Gly Asp Tyr Asn Cys Arg Phe Gly Pro Leu Thr Xaa Val Cys Lys
1 5 10 15

Pro Ser Gly Gly
20

<210> 66

<211> 20

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 66

Gly Gly Ser Tyr Leu Cys Arg Phe Gly Pro Thr Thr Xaa Leu Cys Ser
1 5 10 15

Ser Ala Gly Gly
20

<210> 67

<211> 20

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

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<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 67

Gly Gly Ser Tyr Leu Cys Arg Met Gly Pro Thr Thr Xaa Val Cys Thr
1 5 10 15

Arg Met Gly Gly
20

<210> 68
<211> 20
<212> PRT
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<220>
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<400> 68
Gly Gly Ser Tyr Leu Cys Arg Phe Gly Pro Thr Thr Xaa Leu Cys Thr
1 5 10 15

Gln Arg Gly Gly
20

<210> 69
<211> 20
<212> PRT
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<220>
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<220>
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<222> (13)
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<400> 69
Gly Gly Trp Val Thr Cys Arg Met Gly Pro Ile Thr Xaa Val Cys Gly
1 5 10 15

Val His Gly Gly
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<210> 70
<211> 20
<212> PRT
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<220>
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<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 70

Gly Gly Gln Leu Leu Cys Gly Ile Gly Pro Ile Thr Xaa Val Cys Arg
 1 5 10 15

Trp Val Gly Gly
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<210> 71

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
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<220>

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<222> (13)

<223> 1-Nal

<400> 71

Gly Gly Lys Tyr Ser Cys Phe Met Gly Pro Thr Thr Xaa Val Cys Ser
 1 5 10 15

Pro Val Gly Arg Gly Val
 20

<210> 72

<211> 20

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
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<220>

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<222> (13)

<223> 1-Nal

<400> 72

Gly Gly Trp Val Tyr Cys Arg Ile Gly Pro Ile Thr Xaa Val Cys Asp
 1 5 10 15

Thr Asn Gly Gly
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<210> 73

<211> 20

<212> PRT
 <213> Artificial Sequence

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<220>
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 <222> (13)
 <223> 1-Nal

<400> 73
 Gly Gly Met Tyr Tyr Cys Arg Met Gly Pro Met Thr Xaa Val Cys Lys
 1 5 10 15
 Gly Ala Gly Gly
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<210> 74
 <211> 20
 <212> PRT
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<220>
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<220>
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 <223> 1-Nal

<400> 74
 Gly Gly Thr Thr Gln Cys Trp Ile Gly Pro Ile Thr Xaa Val Cys Arg
 1 5 10 15
 Ala Arg Gly Gly
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<210> 75
 <211> 20
 <212> PRT
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<220>
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<220>
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 <222> (13)
 <223> 1-Nal

<400> 75

Gly Gly Pro Tyr His Cys Arg Met Gly Pro Ile Thr Xaa Val Cys Gly
 1 5 10 15

Pro Val Gly Gly
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<210> 76

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 76

Gly Gly Glu Tyr Arg Cys Arg Met Gly Pro Ile Ser Xaa Val Cys Ser
 1 5 10 15

Pro Gln Gly Gly
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<210> 77

<211> 22

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 77

Gly Gly Asn Tyr Thr Cys Arg Phe Gly Pro Leu Thr Xaa Glu Cys Thr
 1 5 10 15

Pro Gln Gly Gly Gly Ala
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<210> 78

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 78

Gly Gly Ser Trp Asp Cys Arg Ile Gly Pro Ile Thr Xaa Val Cys Lys
 1 5 10 15

Trp Ser Gly Gly
 20

<210> 79

<211> 20

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 79

Gly Gly Leu Tyr Leu Cys Arg Met Gly Pro Gln Thr Xaa Met Cys Gln
 1 5 10 15

Pro Gly Gly Gly
 20

<210> 80

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 80

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 1 5 10 15

Pro Tyr Gly Arg
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<210> 81
 <211> 20
 <212> PRT
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<220>
 <223> Description of Artificial Sequence: Synthetic
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<220>
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 <222> (13)
 <223> 1-Nal

<400> 81
 Gly Gly Trp Tyr Ser Cys Leu Met Gly Pro Met Thr Xaa Val Cys Lys
 1 5 10 15
 Ala His Arg Gly
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<210> 82
 <211> 20
 <212> PRT
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<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<220>
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 <222> (13)
 <223> 1-Nal

<400> 82
 Gly Gly Lys Tyr Tyr Cys Trp Met Gly Pro Met Thr Xaa Val Cys Ser
 1 5 10 15
 Pro Ala Gly Gly
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<210> 83
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<220>
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 <222> (13)

<223> 1-Nal

<400> 83

Gly Gly Tyr Val Met Cys Arg Ile Gly Pro Ile Thr Xaa Val Cys Asp
 1 5 10 15

Ile Pro Gly Gly
 20

<210> 84

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 84

Gly Ser Cys Leu Gln Cys Cys Ile Gly Pro Ile Thr Xaa Val Cys Arg
 1 5 10 15

His Ala Gly Gly
 20

<210> 85

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 85

Gly Gly Asn Tyr Phe Cys Arg Met Gly Pro Ile Thr Xaa Val Cys Gln
 1 5 10 15

Arg Ser Val Gly
 20

<210> 86

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 86

Gly Gly Glu Tyr Ile Cys Arg Met Gly Pro Leu Thr Xaa Glu Cys Lys
 1 5 10 15

Arg Thr Gly Gly
 20

<210> 87

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 87

Gly Gly Leu Tyr Ala Cys Arg Met Gly Pro Ile Thr Xaa Val Cys Lys
 1 5 10 15

Tyr Met Ala Gly
 20

<210> 88

<211> 20

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 88

Gly Gly Gln Tyr Leu Cys Thr Phe Gly Pro Ile Thr Xaa Leu Cys Arg
 1 5 10 15

Gly Ala Gly Gly
20

<210> 89
<211> 20
<212> PRT
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peptide

<220>
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<222> (13)
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<400> 89
Gly Gly Tyr Thr Thr Cys Arg Met Gly Pro Ile Thr Xaa Val Cys Ser
1 5 10 15

Ala His Gly Gly
20

<210> 90
<211> 20
<212> PRT
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<220>
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peptide

<220>
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<222> (13)
<223> 1-Nal

<400> 90
Gly Gly Thr Tyr Lys Cys Trp Met Gly Pro Met Thr Xaa Val Cys Arg
1 5 10 15

Pro Val Gly Gly
20

<210> 91
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 91

Gly Gly Asn Tyr Tyr Cys Arg Phe Gly Pro Ile Thr Phe Glu Cys His
 1 5 10 15

Pro Thr Gly Gly
 20

<210> 92

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 92

Gly Gly Glu Tyr Leu Cys Arg Met Gly Pro Met Thr Xaa Val Cys Thr
 1 5 10 15

Pro Val Gly Gly
 20

<210> 93

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<220>

<221> MOD_RES

<222> (13)

<223> 1-Nal

<400> 93

Gly Gly Leu Tyr Thr Cys Arg Met Gly Pro Ile Thr Xaa Val Cys Leu
 1 5 10 15

Pro Ala Gly Gly
 20